

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

10 Jul 2026

### The effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) education by peer learning on skill and knowledge of emergency medical ambulance workers Kohgiloye and Bovirahmad province in year 1392.

#### Protocol summary

##### Summary

This study aimed to determine the effect of basic Cardiopulmonary and Cerebral Resuscitation learning by peer on the knowledge and skill emergency medical ambulance drivers Kohgiloyeh and Bovirahmad Province. The study population was 70 emergency medical ambulance drivers Kohgiloyeh and Bovirahmad Province and selected census method (nonrandom access). The study design and method is after choice qualified samples and explanation design goals and receive informed consent randomly divided into control and experimental groups. Intervention includes CPR training by the researcher to control group and CPR training by peer group to test group. Chief inclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. Chief exclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. The main outcome measure (variables) includes knowledge of emergency medical ambulance workers that measured with CPR Awareness Questionnaire and skill of emergency medical ambulance workers that checked with practice check list of cardiopulmonary resuscitation. The time of the study implementation has been from 06/09/2014 to 06/11/2014.

#### General information

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT2014100719434N1**

Registration date: **2015-06-06, 1394/03/16**

Registration timing: **retrospective**

Last update:

Update count: **0**

##### Registration date

2015-06-06, 1394/03/16

##### Registrant information

###### Name

Amir Peighan

###### Name of organization / entity

Shiraz University of Medical Science

###### Country

Iran (Islamic Republic of)

###### Phone

+98 71 3647 4254

###### Email address

payghan@sums.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

Vice Chancellor for Research and Technology of Shiraz University of Medical Sciences

##### Expected recruitment start date

2014-09-06, 1393/06/15

##### Expected recruitment end date

2014-11-06, 1393/08/15

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) education by peer learning on skill and knowledge of emergency medical ambulance workers Kohgiluyeh and Boyer-Ahmad province in year 1392.

#### Public title

Effect of Basic Cardiopulmonary and Cerebral Resuscitation (CPCR) Education by peer learning

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

Chief inclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields. Chief Exclusion criteria include: Unwillingness to continue cooperation and participation in the research; Absence in a pre-test or post-test sessions; Absence in a theoretical or practical training sessions; Lack of employment studying in Emergency Medical Technician or other related fields.

#### Age

No age limit

#### Gender

Male

#### Phase

2

#### Groups that have been masked

No information

#### Sample size

Target sample size: 70

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

#### Blinding (investigator's opinion)

Not blinded

#### Blinding description

#### Placebo

Not used

#### Assignment

Parallel

#### Other design features

### Secondary Ids

empty

### Ethics committees

#### 1

##### Ethics committee

###### Name of ethics committee

Medical Research Ethics Committee of Shiraz University of Medical Sciences

###### Street address

Central department Shiraz University of Medical Sciences, Zand street, Shiraz.

###### City

Shiraz

#### Postal code

71345-1978

#### Approval date

2014-08-24, 1393/06/02

#### Ethics committee reference number

93-7131

### Health conditions studied

#### 1

##### Description of health condition studied

Cardiopulmonary resuscitation

##### ICD-10 code

I46.1,J96

##### ICD-10 code description

sudden cardiac arrest

### Primary outcomes

#### 1

##### Description

Knowledge of emergency medical ambulance workers

##### Timepoint

Pre test - 2 weeks after of intervention

##### Method of measurement

CPR Awareness Questionnaire

#### 2

##### Description

Skill of emergency medical ambulance workers

##### Timepoint

Pre test - 2 weeks after of intervention

##### Method of measurement

Practice check list of cardiopulmonary resuscitation

### Secondary outcomes

empty

### Intervention groups

#### 1

##### Description

Researcher within 4 hours of theory training based on the definition of cardiac arrest and Cardiopulmonary resuscitation, cardiac arrest and respiratory causes and ways to prevent it and how do Basic CPR according to the latest American Heart Association revised standard instructions in 2010 and then given 4 hours of practical training on cardiopulmonary resuscitation mannequin are based on the guideline to the control group. And then all of the persons practice on mannequins experimentally and two weeks later, knowledge and performance is measured.

##### Category

Treatment - Other

## 2

### Description

After the first phase, five persons in the control group that obtained higher score than the other from the knowledge and skill in post-test selected as the peer group. Then 4 hours of theory over the same course content as compared to the control group and the experimental group during the 4 hours practical training required to teach.

### Category

Treatment - Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Yasuj Medical Emergency Center

##### Full name of responsible person

Sayed Saeid Najafi

##### Street address

Fatemeh(PBUH) School of Nursing and Midwifery,  
Shiraz University of Medical Science, Namazi Square

##### City

Shiraz

## Sponsors / Funding sources

### 1

#### Sponsor

##### Name of organization / entity

Vice Chancellor for Research, Shiraz University of  
Medical Sciences

##### Full name of responsible person

Dr sayed Basir Hashemi

##### Street address

7th floor, Zand street, Namazi Square, Shiraz  
University of Medical Sciences

##### City

Shiraz

##### Grant name

##### Grant code / Reference number

##### Is the source of funding the same sponsor organization/entity?

Yes

##### Title of funding source

Vice Chancellor for Research, Shiraz University of Medical  
Sciences

##### Proportion provided by this source

100

##### Public or private sector

*empty*

##### Domestic or foreign origin

*empty*

##### Category of foreign source of funding

*empty*

##### Country of origin

##### Type of organization providing the funding

*empty*

## Person responsible for general inquiries

### Contact

#### Name of organization / entity

The Center of Medical Emergency, Yasuj University of  
Medical Science

#### Full name of responsible person

Pouranfard Jalal

#### Position

MSc of critical care nursing

#### Other areas of specialty/work

#### Street address

University of Medical Science, Motahari blv, Yasuj.

#### City

Yasuj

#### Postal code

75851-31851

#### Phone

+98 74 3334 1317

#### Fax

#### Email

jalalp58@yahoo.com

#### Web page address

## Person responsible for scientific inquiries

### Contact

#### Name of organization / entity

Shiraz University of Medical Science

#### Full name of responsible person

Sayed Saeid Najafi

#### Position

MSc of Medical Surgical Nursing

#### Other areas of specialty/work

#### Street address

Fatemeh(PBUH) School of Nursing and Midwifery,  
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saeidnajafi44@yahoo.com

#### Web page address

## Person responsible for updating data

### Contact

#### Name of organization / entity

Yasuj Medical Emergency

#### Full name of responsible person

Amir Peighan

#### Position

Nurse

#### Other areas of specialty/work

#### Street address

Center of Medical Emergency, Abshar street, Yasuj.

#### City

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**Web page address**

**Sharing plan**

**Deidentified Individual Participant Data Set (IPD)**

*empty*

**Study Protocol**

*empty*

**Statistical Analysis Plan**

*empty*

**Informed Consent Form**

*empty*

**Clinical Study Report**

*empty*

**Analytic Code**

*empty*

**Data Dictionary**

*empty*